HUMAN MIND MINING ON FRUSTRATION AND DEPRESSION USING DATA MINING

BY
REZWANA ISLAM RIA
ID: 161-15-7071

AND
MD.SHAHAZALAL
ID: 153-15-6589

This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

Afsara Tasneem Misha
Lecturer
Department of CSE
Daffodil International University

Co-Supervised By

Ms. Zerin Nasrin Tumpa
Lecturer
Department of CSE
Daffodil International University

DAFFODIL INTERNATIONAL UNIVERSITY

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APPROVAL

This thesis titled "**Human mind mining on frustration and depression using data mining**", submitted by Rezwana Islam Ria and Md.Shahazalal . Id 161-15-7071 and 153-15-6589 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 06 December 2019.

BOARD OF EXAMINERS

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Daffodil International University

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Daffodil International University

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Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Dr. Md. Saddam Hossain — **External Examiner**
Assistant Professor
Department of Computer Science and Engineering
United International University

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We hereby declare that, this project has been done by us under the supervision of **Afsara Tasneem Misha , Lecturer, and Department of CSE** Daffodil International University. We also declare that neither this thesis nor any part of this thesis has been submitted elsewhere for award of any degree or diploma.

Supervised by:

11/12/19

Afsara Tasneem Misha
Lecturer
Department of CSE
Daffodil International University

Co-Supervised by:

11.12.19

Ms. Zerin Nasrin Tumpa
Lecturer
Department of CSE
Daffodil International University

Submitted by:

Ria 11.12.19

(Rezwana Islam Ria)
ID: -161-15-7071
Department of CSE
Daffodil International University

Shahazalal 11.12.19

(Md. Shahazalal)
ID: -153-15-6589
Department of CSE
Daffodil International University

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ABSTRACT

This paper shows a simple approach for increasing people's frustrations and we will study how to overcome human depression, how to simplify life by taking away the pleasures of life with regression classifier. We have studied people's frustrations and depression. This paper has also worked on how to reduce the effects of dopamine. The effect of medicine has also been on how it plays a role in the human body. This approach is implemented as an android application system and tested against a data set based on the opinions of many people. We used K Neighbor Classifier model. We achieved classification accuracy of approximately 73% on the test set which is a decent result considering the relative simplicity of the model. This results may be improved in several ways that are described in the article as well.

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INTRODUCTION

1.1 Introduction

Prominent the difference between frustration and depression can be somewhat confusing as these two emotions have some connection. Frustration and depression as two different circle between which can observe certain links. As human beings, all are consciousness about frustration and some level of depression in life. Frustration can be defined as an emotion that people experience, when they cannot achieve their goals. Depression, on the other hand, has to be understood as a psychological condition where a person feels no interest in any activity and feels helpless. A person can feel this state of helplessness, when he cannot achieve his goals. This highlights that frustration can lead to depression. This article attempts to highlight the difference between the two terms and who to overcome this matter [1].

.Medical Dictionary for emotion and hormones are linked to the human body. There is one hormone for each emotion. The hormone dopamine is responsible for human happiness. Dopamine acts as a neurotransmitter in the human brain. A neurotransmitter is a set of many neurons that act to convey messages from one neuron to another. But not all neurons emit dopamine. Depression or defeat is due to excess dopamine. Excess dopamine causes enormous damage to the brain [2].

We are dealing with 15-30 ages people. Their thoughts, their way of life, their relationships between friends and family can be traced back to their mental state through these questions. First of all, we collect some data from Google that is used as our query, we will send the user by selecting the queries. There are so many people ages 15-30 who participate in our study. From there we use the most awakened answer to our K-nearest Neighbors Classification Model (KNN). Finally in our thesis we will provide an application on how to control dopamine very easily.

1.2 Motivation

In our modern society, new things are constantly being discovered. Therefore, the competitive spirit is shaking people's brains. Complex psychosis, like depression, is emerging in the brain rather than in humans. The competing spirit is creating new discoveries as well as violence. People are drifting away from their goals, thinking everything is going wrong in life. In fact, this is the first stage of depression. Causes of Dopamine excessive or subtle depression in the human brain. Dopamine causes excessive or subtle depression in the human brain. The messages from neurons to neurons are transmitted to the brain. If its volume is high, then life happens like a snuff. So we're trying to give a very brief solution. Medicine is becoming a big part of people's lives. So in the first step, if people understand what their mental condition is, and what can be done to solve it, then the number of successful people will be 95%. Identifying Human Mind Mining (HMM) in depression/frustration is implausibly tough because:

1. Depression/frustration are typically written colloquially whereas not following correct descriptive linguistics and correct writing.
2. People do not have any info of medical language regarding their drug result.

In this digital age people have very little time, so despite being in a lot of moods, people like to get solutions very easily. In our application, what is happening in the brain very quickly, dopamine levels in the brain will be known.

1.3 Rationale of the Study

There has been a lot of work on human brains before. But under dopamine control, the process of normalizing the human mind is minimal. Also, working on the conditions under which human peace is much challenging.

1.4 Outcome

We have tried to show how deep the human problem is through data trends. So we used the KNN model. By which we get the value as a percentage and by which an application is made. This research work aims at App is in -

1. Identify what kind of humanitarian problem you have
2. Percentage measurements may be known at Depression or Frustration
3. There will be some preliminary suggestions, which will guide the human brain very soon.
4. Some doctor's information will be given, so that the patient can get refuge in the doctor of his choice.
5. Last, good and health brain can be found.

1.5 Report Layout

In this chapter we have discussed about the introduction with human mind frustration and depression study, motivation, rationale of the study and the outcome of the thesis. Later followed by the report layout.

In chapter 2, we will discuss about the background of our research topic.

In chapter 3, we will discuss about the methodologies employed in our study.

In chapter 4, we will discuss about the testing and implementation.

In chapter 5, we will discuss about the design specification.

In chapter 6, we will discuss about the design specification.

In chapter 7, we will discuss about the conclusion and future.

CHAPTER 2
BACKGROUND

2.1 Introduction

Before this, a lot of research has been done with the human mind. Eckhart Tolle writes in his book -Humans do not need any medicine to control neurons. Human Brain can control themselves. However, this is not the case at all and also said that the neurons that are excreted by dopamine, which are often used as sleep medications to reduce their activity, often cause harm. Therefore, it is not enough to study the development of the human mind now and then.

2.2 Related Works

In this paper of Eckhart Tolle, There are some studies on how to get dopamine in the human mind. [3]. Neil Harrington works on his paper, Frustration Intolerance Beliefs: Their Relationship with Depression, Anxiety, and Anger, in a Clinical Population [4]. Nevertheless, there has been very little systematic analysis of the content of those beliefs, that square measure usually treated as a unidimensional construct.

2.3 Comparative Studies

Even before this, a lot has been written and a lot of research has been done on the human mind. Everyone has an idea about new things. Understanding the human mind is at the core of Psychotherapy theory. Since the introduction of the speculation of brain doctor within the early 1900's and despite the various advancements within the study of psychotherapy theory Freud's basic thoughts retain a robust hold on the shaping of views concerning the speculation of the human mind [5].The brain of the human being is discussed or remedied. But at the same time, the short-term solution to what the brain is thinking and remedies is very few. We have tried to build applications for human well-being at busy times. So that they can benefit from small tips at any time. Analysis of stable carbon and nitrogen isotopes from soft or mineralized tissues is a direct and widely-used technique for modeling diets. In addition to its continued role in paleodiet analysis, stable isotope analysis is now contributing to studies of physiology, disease, and nutrition in archaeological and living human populations. In humans and other animals, dietary uptake and distribution of carbon and nitrogen among mineralized and soft tissue is carried out with varying

efficiency due to factors of internal biology. Human pathophysiologies may lead to pathology-influenced isotopic fractionation that can be exploited to understand not just skeletal health and diet, but physiological health and nutrition. This study reviews examples from human biology, non-human animal ecology, biomedicine, and bioarchaeology demonstrating how stable isotope analyses are usefully applied to the study of physiological adaptation and adaptability. Suggestions are made for future directions in applying stable isotope analysis to the study of nutritional stress, disease, and growth and development in living and past human populations [6].

CHAPTER 3
RESEARCH METHODOLOGY

3.1 keywords

Frustration, depression, dopamine, neuron, KNN, Eckhart Tolle, csv file, Python, Dataset, machine learning, human mind mining.

3.2 Data Collection

We have collected our data from Google, as well as tried to answer people's opinion on the question. We have used the most awaited questions from those applications in our application
One thousand and 13 Student and public staff (906 men and 107 ladies, mean age15±30 years) remarked the activity Brain Health Unit by their employers for a check-up were registered consecutively from December calendar month 2018 to august calendar month 2019 and assessed victimization anonymous questionnaires. Every individual signed their written consent.

Data Collection steps Getting Started → Human Mind Related Questions
Sorting Questions from Data → Sorting Questions
Sorting Answers from Questions (KNN) → Sorting Answers

Finally, we get the result of the data in the form of a percentage of the data by our KNN model. With machine learning Python we can find out how much positive the result is.

3.3 Manual annotation

Using KNN model, data from one thousand thirteen to depression levels were determined. If all the questions come up with a compliant answer, then the machine will answer in percent form as the level of depression is high. For this KNN model, we divided the answer of the question into three values. The parts are of three categories,

Table 3.3 Percentage form the level

Answer pattern	**Percentage**
1.Completely agree	100%
2.Somewhat agree	50%
3.Completely disagree	0%

After using the above Percentage procedure we got the final variant list some of which has been endorsed in table 3.3.

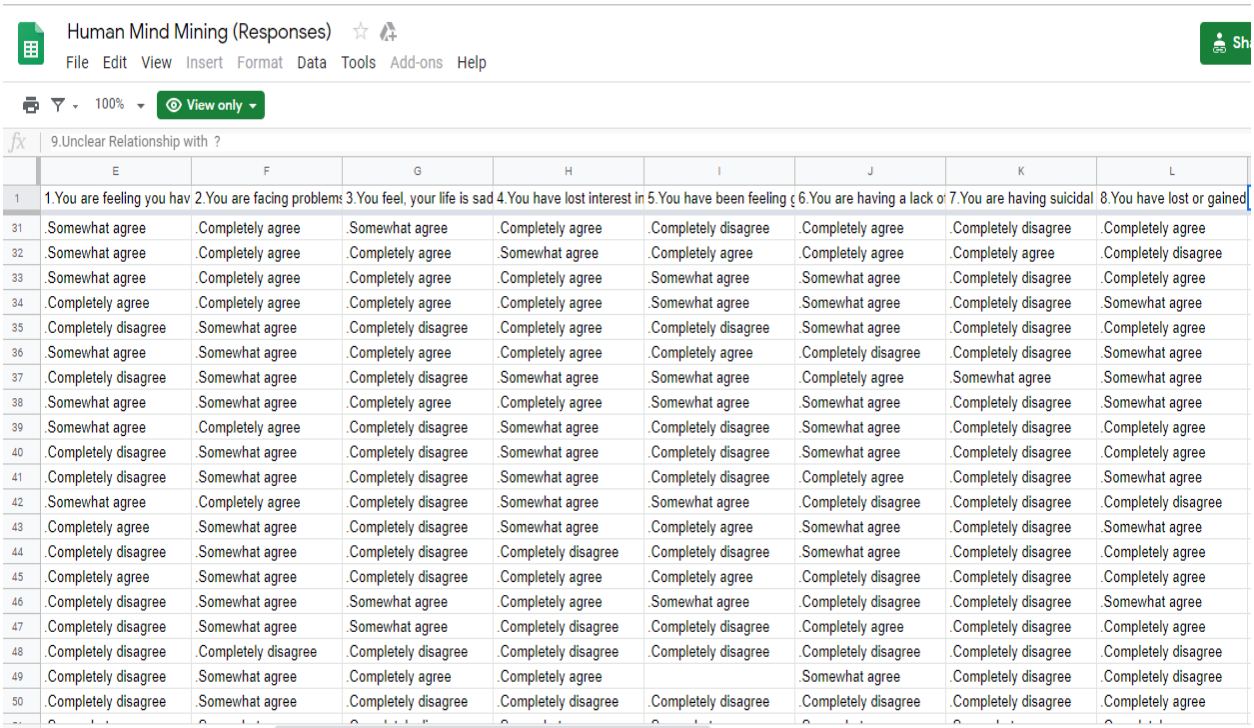
Finally we get our results where the percentage of frustration and depression is expressed. The user will state the state of mind as one on the machine to know its answer.

CHAPTER 4

TESTING AND IMPLEMENTATION

4.1 Implementation of Data

A supervised machine learning formula (as opposition Associate in Nursing unattended machine learning algorithm) is one that depends on tagged information| input file| computer file} to find out a operate that produces Associate in Nursing applicable output once given new data. Data collection has to face 8 questions, answers to questions are divided into 3 parts. Out of the 8 questions, 3 were asked for Frustration and 4 for Depression. All the data is stored in the excel file / CSV and processed. Then, in order to trend them into data set size, we have given some values in each answer. Since the machine does not understand anything by itself, three answers have been determined by three values to denote on the machine. Figure 4.1 examples of frustration and depression questions and answers:



Human Mind Mining (Responses)

File Edit View Insert Format Data Tools Add-ons Help

100% View only

9.Unclear Relationship with ?

	E	F	G	H	I	J	K	L
1	1.You are feeling you hav	2.You are facing problems	3.You feel, your life is sad	4.You have lost interest in	5.You have been feeling (	6.You are having a lack o	7.You are having suicidal	8.You have lost or gained
31	.Somewhat agree	.Completely agree	.Somewhat agree	.Completely agree	.Completely disagree	.Completely agree	.Completely disagree	.Completely agree
32	.Somewhat agree	.Completely agree	.Completely agree	.Somewhat agree	.Completely agree	.Completely agree	.Completely agree	.Completely disagree
33	.Somewhat agree	.Completely agree	.Completely agree	.Completely agree	.Somewhat agree	.Somewhat agree	.Completely disagree	.Completely agree
34	.Completely agree	.Completely agree	.Completely agree	.Completely agree	.Somewhat agree	.Somewhat agree	.Completely disagree	.Somewhat agree
35	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree
36	.Somewhat agree	.Somewhat agree	.Completely agree	.Completely agree	.Completely agree	.Completely disagree	.Completely disagree	.Somewhat agree
37	.Completely disagree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Somewhat agree	.Completely agree	.Somewhat agree	.Somewhat agree
38	.Somewhat agree	.Somewhat agree	.Completely agree	.Completely agree	.Somewhat agree	.Somewhat agree	.Completely disagree	.Somewhat agree
39	.Somewhat agree	.Completely agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree
40	.Completely disagree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree
41	.Completely disagree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree	.Completely disagree	.Somewhat agree
42	.Somewhat agree	.Completely agree	.Completely disagree	.Somewhat agree	.Somewhat agree	.Completely disagree	.Completely disagree	.Completely disagree
43	.Completely agree	.Somewhat agree	.Completely disagree	.Somewhat agree	.Completely agree	.Somewhat agree	.Completely disagree	.Somewhat agree
44	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely disagree	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely agree
45	.Completely agree	.Somewhat agree	.Completely disagree	.Completely agree	.Completely agree	.Completely disagree	.Completely disagree	.Completely agree
46	.Completely disagree	.Somewhat agree	.Somewhat agree	.Completely agree	.Somewhat agree	.Completely disagree	.Completely disagree	.Somewhat agree
47	.Completely disagree	.Somewhat agree	.Somewhat agree	.Completely disagree	.Completely disagree	.Completely agree	.Completely disagree	.Completely agree
48	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree
49	.Completely disagree	.Somewhat agree	.Completely agree	.Completely agree		.Somewhat agree	.Completely disagree	.Completely disagree
50	.Completely disagree	.Somewhat agree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely disagree	.Completely agree

Figure 4.1 Snippet of XML file with question answer

4.2 Calculate Dataset

Here we use a small calculation for random value and result. If any user feel free to answer this question machine can calculate like this particular math –

$$\frac{(\text{Somewhat agree} + \text{somewhat agree} + \text{completely agree})\%}{3}$$

$$= \quad (50 + 50 + 100)\ \% / 3$$

$$= \quad 66.6\%$$

Finally, by this calculation, I have learned the percentage of the first question. This percentage value is made to give the machine an idea. . Figure 4.2 examples of frustration and depression percentage result:

C	D	E	F	G	H
Gender	Age	1.You are feeling you have	2.You are facing problems	3.You feel, your life is sac	result
Male	20 -25	.Somewhat agree	.Somewhat agree	.Completely agree	66
Female	20 -25	.Completely disagree	.Somewhat agree	.Completely disagree	17
Male	20 -25	.Completely disagree	.Somewhat agree	.Somewhat agree	33
Male	20 -25	.Somewhat agree	.Somewhat agree	.Completely disagree	33
Female	20 -25	.Completely disagree	.Completely disagree	.Completely disagree	0
Male	25 -30	.Completely disagree	.Somewhat agree	.Completely disagree	17
Male	20 -25	.Somewhat agree	.Completely agree	.Completely disagree	33
Male	20 -25	.Somewhat agree	.Somewhat agree	.Completely disagree	33
Male	20 -25	.Completely disagree	.Completely disagree	.Completely disagree	0
Male	20 -25	.Somewhat agree	.Completely agree	.Somewhat agree	66
Female	20 -25	.Somewhat agree	.Completely agree	.Completely agree	83
Male	20 -25	.Somewhat agree	.Somewhat agree	.Somewhat agree	50
Male	20 -25	.Completely disagree	.Completely agree	.Completely disagree	33
Male	20 -25	.Completely disagree	.Somewhat agree	.Completely disagree	17
Male	20 -25	.Somewhat agree	.Completely disagree	.Somewhat agree	33
Male	20 -25	.Completely agree	.Completely agree	.Somewhat agree	83
Male	20 -25	.Completely agree	.Completely agree	.Completely agree	100
Female	20 -25	.Completely disagree	.Somewhat agree	.Somewhat agree	33
Male	20 -25	.Completely agree	.Completely agree	.Completely agree	100
Female	Below 20	.Completely disagree	.Completely disagree	.Completely disagree	0
Male	20 -25	.Completely disagree	.Somewhat agree	.Somewhat agree	33

Figure 4.2 Snippet of XML file calculate of percentage

4.3 Include CSV file using python

It options numerous algorithms like support vector machine and KNN, and it additionally supports Python numerical and scientific libraries like NumPy and SciPy. The pandas library has emerged into an influence house of information manipulation tasks in python since it absolutely was developed in 2008 the event of numpy and pandas libraries has extended python's multi-purpose nature to unravel machine learning issues furthermore. Pandas and OS have been used as two libraries to facilitate easy to read CSV file. Substituted for frustration csv file include the result has been submitted. Python has been used in this. Figure 4.3 gave us some example read csv file on the top of the data set (Gender, Age, question-one, question-two, question-three, result).

```
In [3]: data = pd.read_csv("fraustration.csv")
        print(data.head())  # To check if our data is loaded correctly

   Gender     Age                qs_one                qs_two  \
0    Male  20 -25       .Somewhat agree       .Somewhat agree
1  Female  20 -25  .Completely disagree       .Somewhat agree
2    Male  20 -25  .Completely disagree       .Somewhat agree
3    Male  20 -25       .Somewhat agree       .Somewhat agree
4  Female  20 -25  .Completely disagree  .Completely disagree

              qs_three  result
0    .Completely agree      66
1  .Completely disagree      17
2       .Somewhat agree      33
3  .Completely disagree      33
4  .Completely disagree       0
```

Figure 4.3 Snippet of frustration csv file addition

Substituted for depression csv file include the result has been submitted. Python has been used in this. All types of depression related questions can be found in the csv file. We have collected these questions and answers through surveys. Figure 4.3.1 gave us some example read csv file on the top of the data set:

```
In [56]: data = pd.read_csv("depression.csv")
         print(data.head())  # To check if our data is loaded correctly

   Gender     Age                qs_one                qs_two  \
0    Male  20 -25  .Completely disagree  .Completely disagree
1  Female  20 -25  .Completely disagree  .Completely disagree
2    Male  20 -25     .Completely agree       .Somewhat agree
3    Male  20 -25       .Somewhat agree       .Somewhat agree
4  Female  20 -25  .Completely disagree       .Somewhat agree

          qs_three          qs_four  result
0             .yes  .No all are okay      30
1             .yes             .Yes      40
2  .No all are okay  .No all are okay      40
3  .No all are okay  .No all are okay      40
4  .No all are okay  .No all are okay      20
```


Figure 4.3.1 Snippet of depression csv file addition

4.4 Preprocessing

The machine language cannot trend without numeric values. First of all, we converted all data are transform to a numerical value. Just as Gender cannot be splintered into machine language, the boy has been transferred to 0 and 1 to separate the girl. . Figure 4.4 gave us example how to transform data as a numerical value:

```
In [4]: le = preprocessing.LabelEncoder()

        Gender = le.fit_transform(list(data["Gender"]))
        Age = le.fit_transform(list(data["Age"]))
        qs_one = le.fit_transform(list(data["qs_one"]))
        qs_two = le.fit_transform(list(data["qs_two"]))
        qs_three = le.fit_transform(list(data["qs_three"]))
        result = data["result"]
```

Figure 4.4 Snippet of transform data (numerical value)

4.5 Accuracy

We used two set x and y. Gender, age, questions were kept in the set x. Similarly, the results were kept in set y. We used KNN models to find out the accuracy. The machine will answer it from the nearest 5 data, and the test size for data trend will be 0.5. We get the probable value of 71%, which means that the result is 70 percent correct And 30 of the percent is likely to be wrong. Figure 4.5 gave us example percentage of accuracy value:

```
In [5]: X = list(zip(Gender, Age,qs_one,qs_two,qs_three))  # features
        y = list(result)  # labels

In [6]: x_train, x_test, y_train, y_test = sklearn.model_selection.train_test_split(X, y, test_size = 0.1)

In [7]: model = KNeighborsClassifier(n_neighbors=5)

        model.fit(x_train, y_train)
        acc = model.score(x_test, y_test)
        print(acc)

        0.7142857142857143
```

Figure 4.5 Snippet of accuracy value

.

4.6 Prediction

Predicted and accuracy values are extracted separately. Proper machine learning is used here. Answer of prediction rate is given this Figure 4.6

```
my_list = [[a,b,c,d,e]]


my_predict = linear.predict(my_list)
names = [result]

print("Fraustration Rate: ")
my_predict[0]
```

```
gender:male=1,female=2
age:20-25=0, 25-30=1, Below 20=2
question one: 1.You are feeling you have no future.
Option:0=SA 1=CD 2=CA
Question two: 2.You are facing problems with making decisions ?
Option:0=SA 2=CD 3=CA
Question three: 3.You feel, your life is sad, as there is no joy in your life anymore.



Q Two: 2
Q Three: 1
Fraustration Rate:
```

```
Out[11]: 17
```

Figure 4.6 Snippet of prediction rate value

Predicted and accuracy values are extracted separately. Proper machine learning is used here. We have taken all the values here separately. For Gender, two values have been captured separately. For men it is zero and one for women. In this way, values have been calculated separately for ages. 0 for ages twenty to twenty-five, 1 for Twenty Five to Thirty, and 2 for twenty. Different values have also been assigned to answer each question. Since we have three options, the CD for the first option is completely agree, and for the somewhat agree, the CA is given different values for each data so that the model works correctly. Figure 4.4 gave us example how to transform data as a random value for frustration:

```
N:  (array([[0., 0., 1., 1., 1.]]), array([[51, 45,  6,  1,  4]], dtype=int64))
Predicted:  17 Data:  (1, 0, 1, 1, 1) Actual:  0
N:  (array([[0., 1., 1., 1., 1.]]), array([[29,  1, 19, 18, 10]], dtype=int64))
Predicted:  50 Data:  (1, 0, 2, 0, 1) Actual:  50
N:  (array([[0., 0., 0., 1., 1.]]), array([[35, 54, 27, 34, 36]], dtype=int64))
```

In [11]:
```
print("gender:male=1,female=2")
print("age:20-25=0, 25-30=1, Below 20=2")
print("question one: 1.You are feeling you have no future.")
print("Option:0=SA 1=CD 2=CA")
print("Question two: 2.You are facing problems with making decisions ?")
print("Option:0=SA 2=CD 3=CA")
print("Question three: 3.You feel, your life is sad, as there is no joy in your life anymore.")
print("Option:1=CA 2=SA 3=CD")

a = int(input("Gender: "))
b = int(input("Age: "))
c = int(input("Q One: "))
d = int(input("Q Two: "))
```

Figure 4.7 Snippet of random value for data

CHAPTER 5
DESIGN SPECIFICATION

5.1 User of system

5.1.1 User

The application will be used by two types of people aged 15-30 years. People who are suffering from depression, and those who suffer from frustration. They will find out about themselves from the user app. We have to solve these questions in the middle of the research and the result can be known as a percentage. We have been researching some tips to get the user to solve the problem early. There are also some YouTube links that will greatly benefit them. Some doctors will have information. If the user wants the specialist can go to the doctor.

5.1.2 Admin

Director or administrator is that the one that can deal with the total framework. He can change the question .He can add or remove the question .He can also add information of doctor and tips. He can see the question answer and also see which problem they are facing and send him question which user needed solution. Also can alter the question and alter information of doctor.

5.2.1 User Registration Module

The user can register with his email address and password. And those who have registered once will be able to login directly. So two pages have been created with sign in and login.

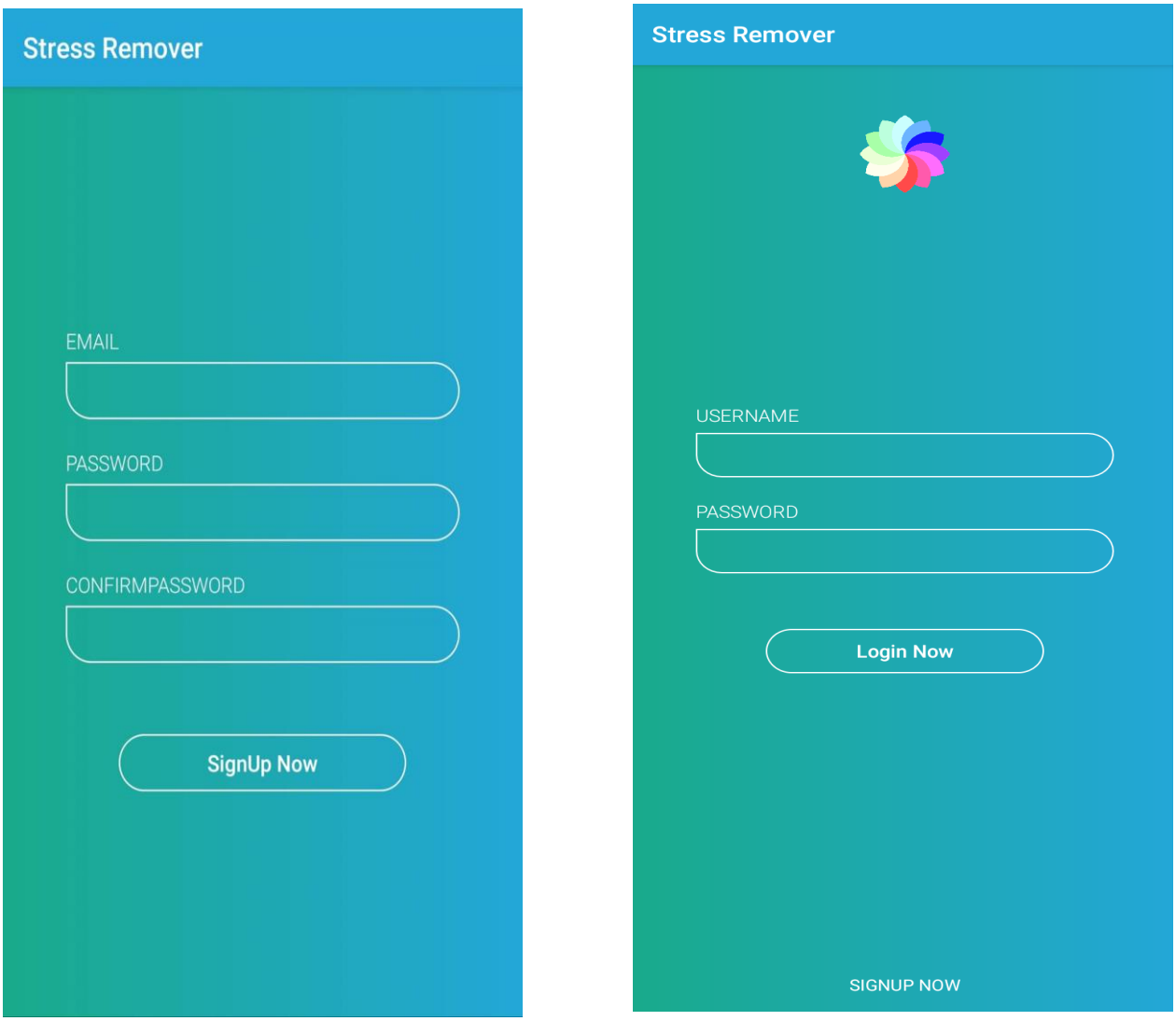


Figure 5.2.1User Registration (sign up and login)

5.2.2 User Feel Free Answer the Question Module

If user have much time and they feel good they like this question and they like yes .If they are frustrated and Also depressed and need solution they like yes and if they are not much time or they are not free they give no. This is a formal phrase that you usually use with people you don't know very well, or with large groups: Feel free to take one if you want it. Feel free to call me with any questions.

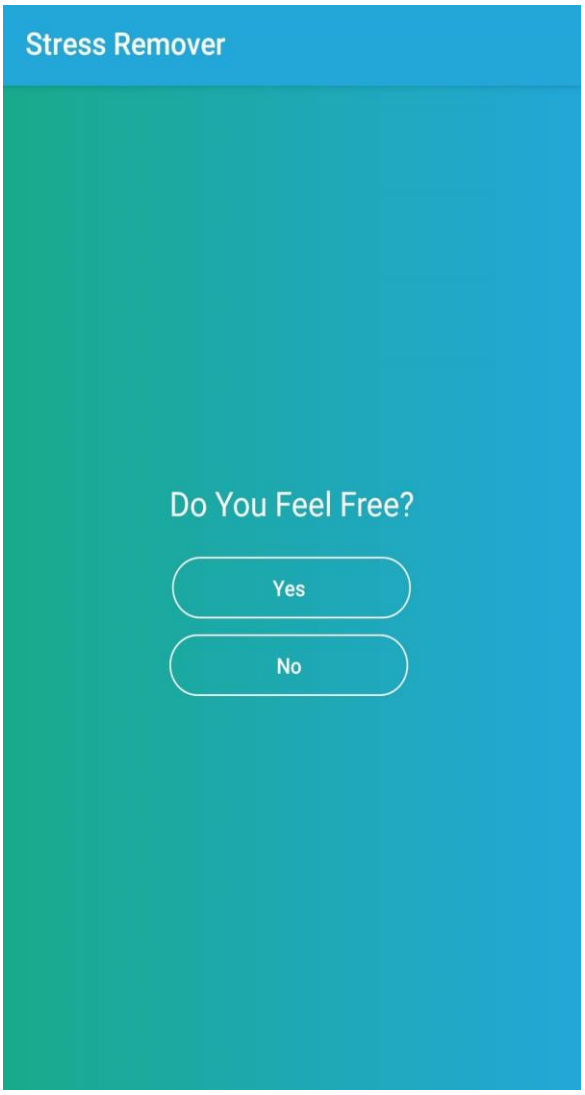


Figure 5.2.2 for feedback

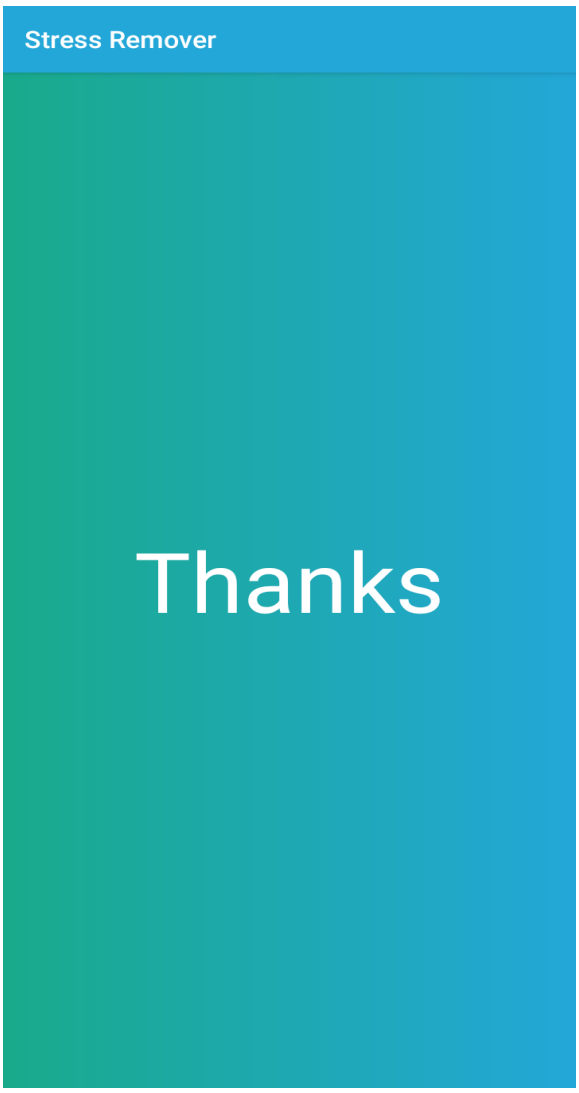


Figure 5.2.3 User Feel Free

5.2.3 Frustration and Depression Question Module

People Who Are Frustrated and depressed they Take Some Question which are very important and answer the question to take how much they frustrated and how much they depressed. And they should answer all the question to take satisfy result and solution. You are facing problems with making decisions. You feel, your life is sad, as there is no joy in your life anymore, you are having a lack of sleep .This Type of question they facing.

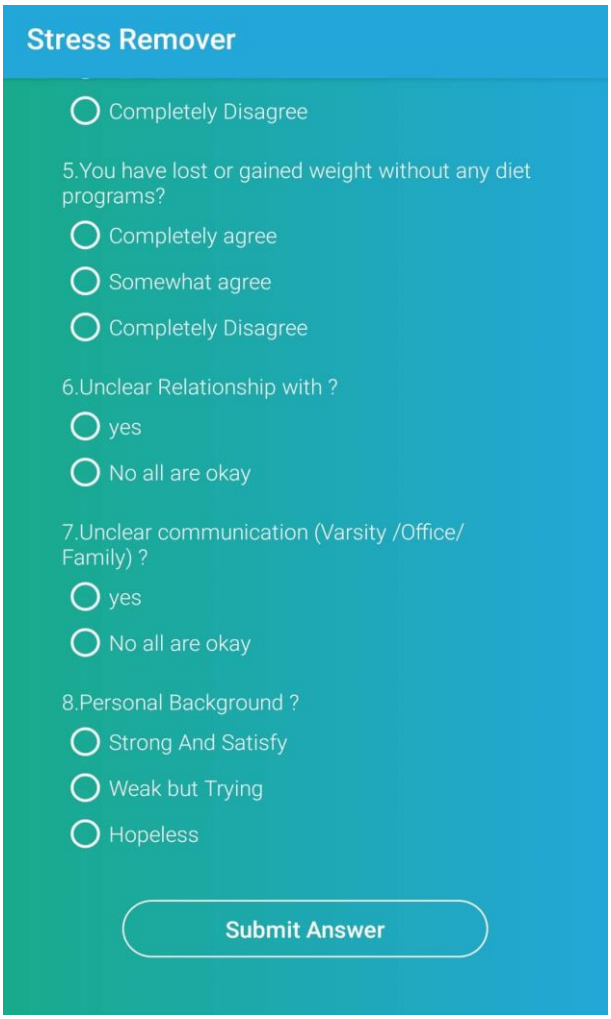


Figure 5.2.4 Pattern of question

5.2.4 Solution Module

People get solution for work .If they are very frustrated and also depressed they get a proper guide to come back and here have some good tips and also a routine for them to carry daily life .They are getting also Doctor information which is very important for them .They get Information and take service to come back in work .This tips help them a lot cause they cannot take decision its help them to take decision.

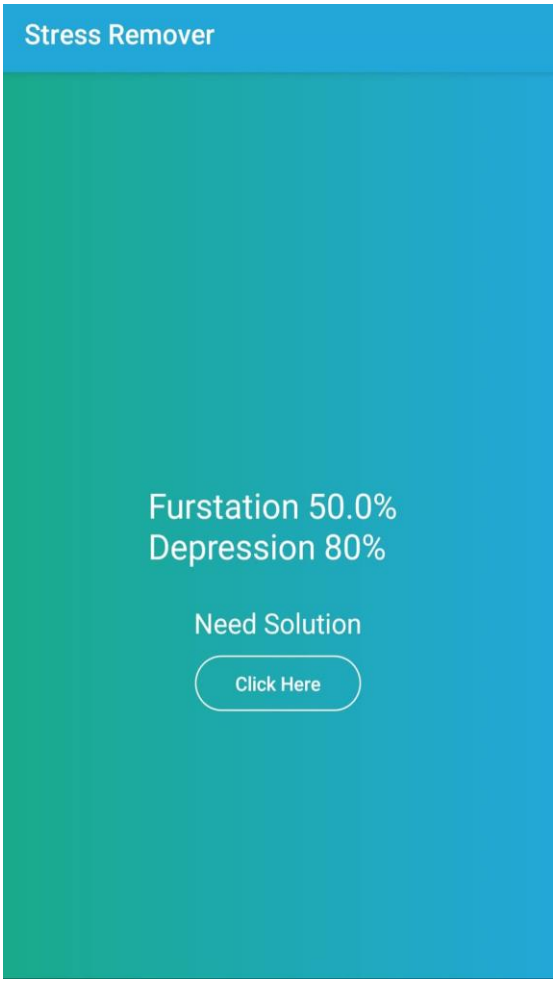


Figure 5.2.5 Results

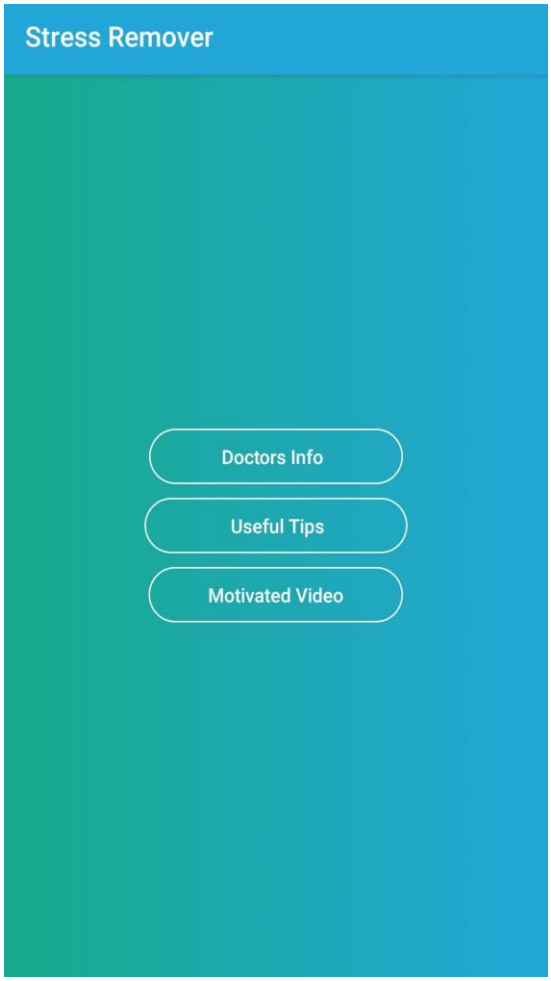


Figure 5.2.6 Quick tips

5.2.5 Result

Here the user will find out the result in percentage. The user will be able to measure his or her human condition by the percentage results.

5.2.6 Quick tips

The user will find some tips for his human peace. If human peace does not come through with tips, they will benefit from YouTube links and doctor's information.

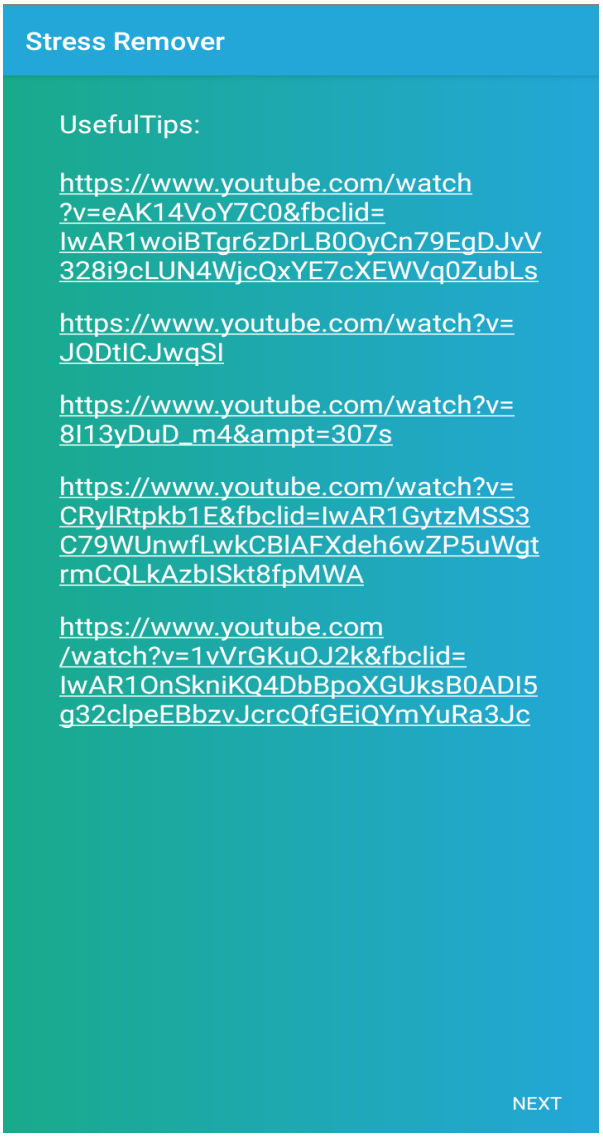


Figure 5.2.7 Youtube link

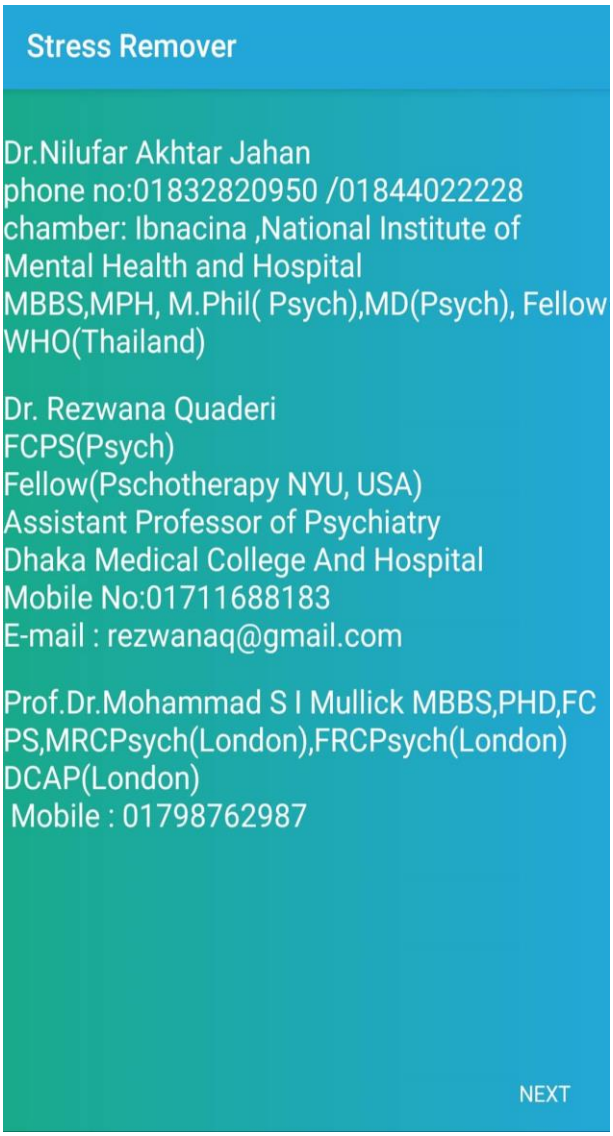


Figure 5.2.8 Doctor Info

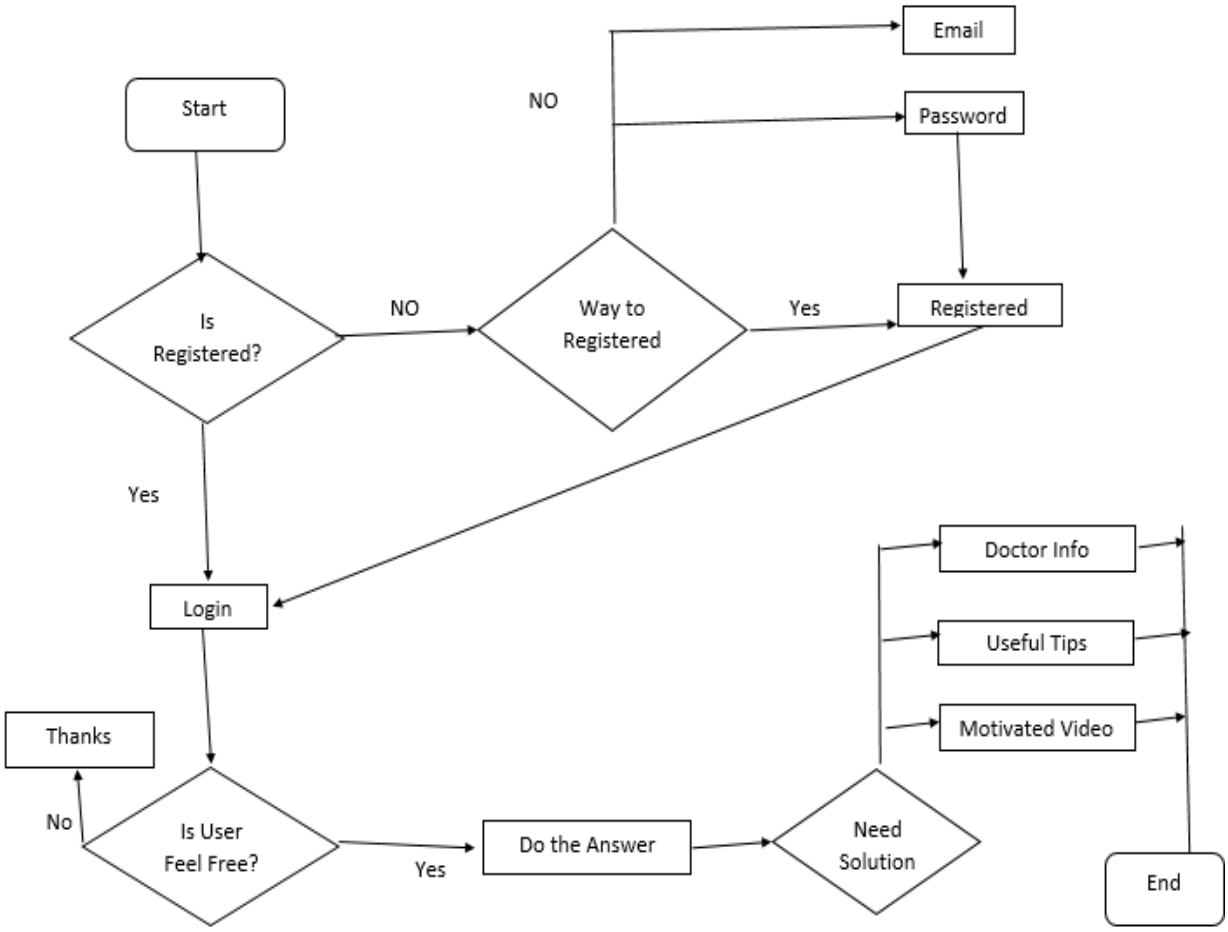


Figure 5.2.9 Flow Chart Diagram

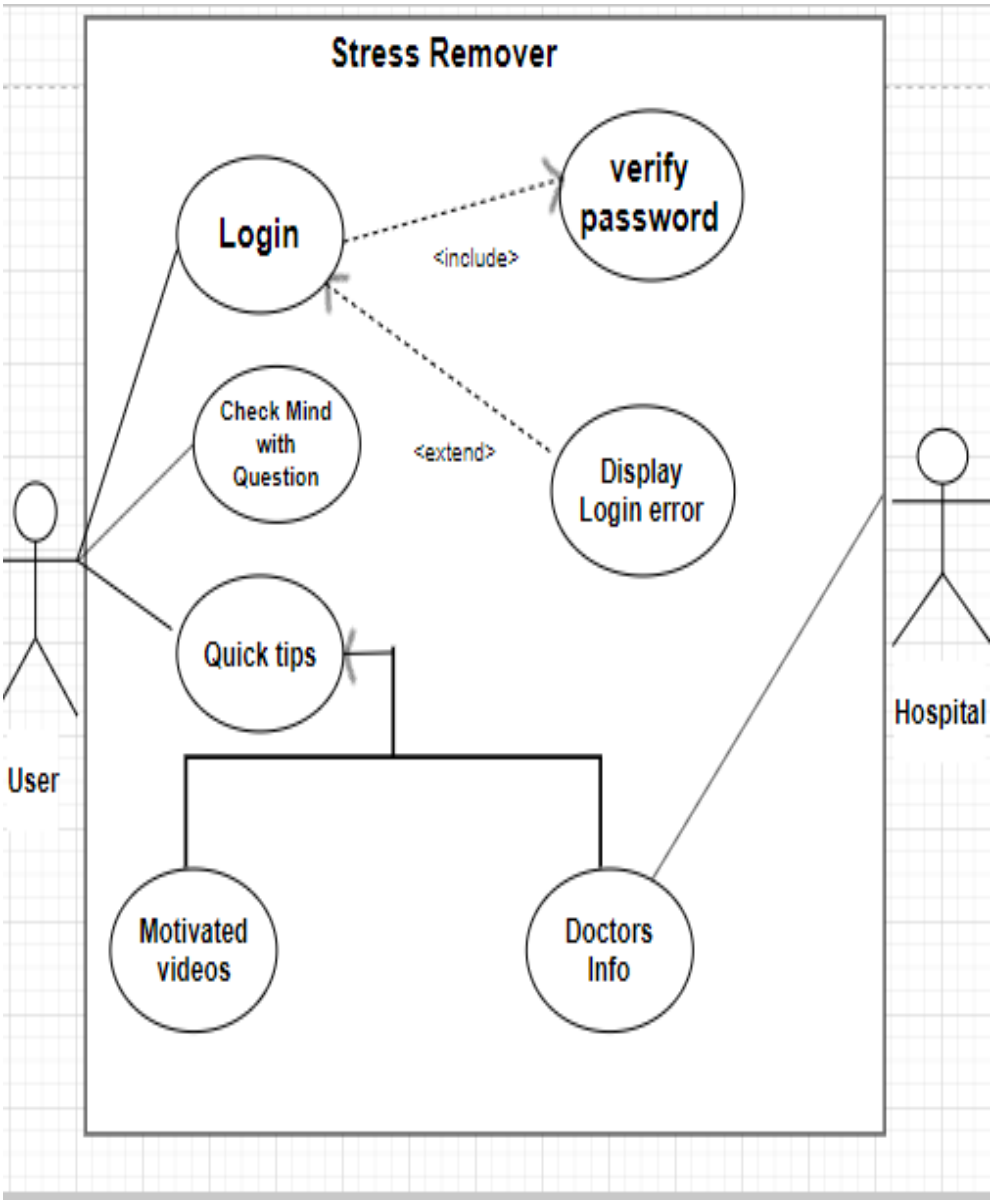


Figure 5.2.10 Use Case diagram

CHAPTER 6

EXPERIMENTAL RESULTS AND DISCUSSION

6.1 Descriptive Analysis

It was observed that people are less interested to share any negative impact on their body of any drug in social media. When it is opioids the result is much less as expected. It has been observed that people are not much aware of human health. Therefore, the number of premature or abnormal deaths in our country is increasing day by day. We have received some data through data trends. They have shown that most of the patients suffering from frustration are depression and disease. It is normal for people to have depression. However, high frustration does not encourage people to do new things. As we have seen in our study, the quality of Accuracy is similar to the quality of frustrated and frustrated people. For example, if depression is in Fifty Percentage, then depression will be in Seventy Percentage

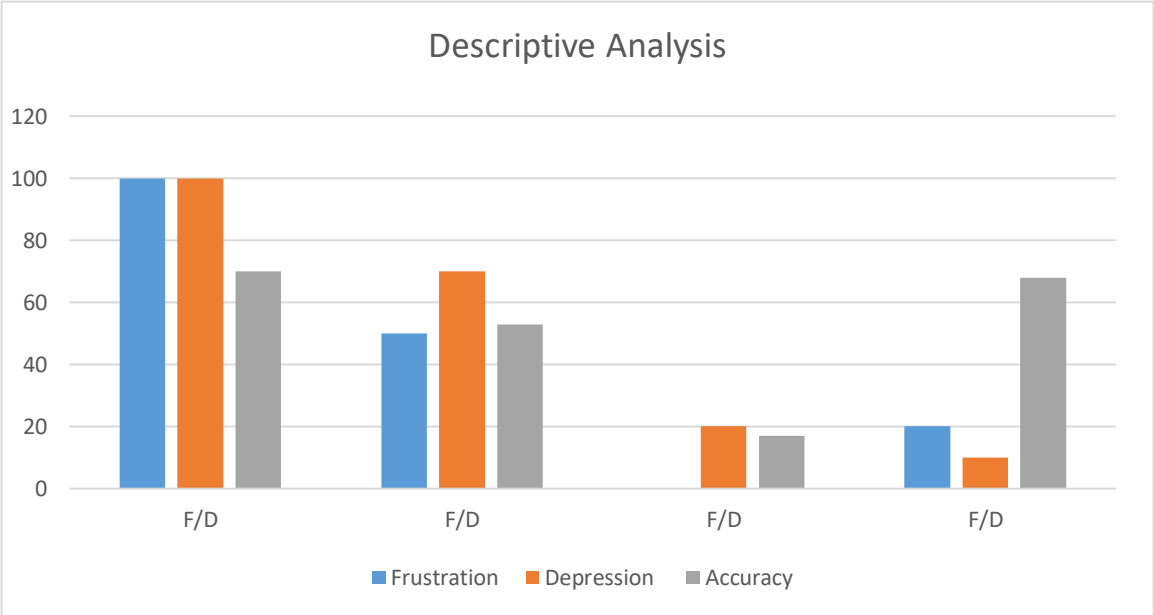


Figure 6.1 Snippet comparative analysis of frustration and depression

While secretion of hydrocortisone area unit well established in depressed adults, investigations of HPA axis reactivity in depressed kids have yielded a lot of ambiguous array of findings.

In distinction to findings in depressed adults, investigations of 24-hour hydrocortisone secretion have no variations between depressed kid and adolescent outpatients and management teams.8-10 various studies of the dexamethasone suppression test or DST

Are exhausted depressed kid and adolescent populations victimization variable methodologies and study samples.

Despite this wide selection of strategies and findings, there has been a general agreement that the sensitivity of the DST is higher in kids than adolescents and better in

Inpatients compared with outpatients.11, 12 though there has been a lot of investigation of medicine challenges, like the DST in depressed kid and adolescent samples, experimental psychosocial stress paradigms wide employed

In organic process studies haven't been rumored, to our data, in clinical samples of depressed kids to this point [7].

CHAPTER 7
CONCLUSION AND FUTURE

7.1 Conclusion

The topic of our study was how to reduce people's depression and depression. This is a particular problem among many borough problems in our society. But man never wants to spend more time with his healthy mind. So we try to solve this problem easily in our research. We perform tasks such as data collection, data sorting, trending through models. First of all, we collect data from social media through soft copy (Google Frame). We try to know what causes people's minds to get worse, how their family life / friendship lives. In this way we collect 1013 data through some queries. We try to model it from there. We use the KNN model to trend the data. To make this trend, we use the Python language. With this trend, we get 70% answer correct, which is a good thing. We make an application that uses these percent values. So that the user can easily get help from Human Mind. In the application user will face some questions, be able to tell the result according to the answer. The percent value of frustration and depression will be known. This will give the user an idea of the health of his mind. We've arranged for some quick tips. There will also be links on YouTube. The application will work to improve the human well without medicines and doctors. However, if there are too many problems the user can go to the doctor so there will be details of the humanitarian experts. The patient can easily go to the doctor if he / she wishes.

7.2 Future works

In the future we will try to give the user more benefits. Add some new features of our application. At the same time, we will try to find out how to contact the doctor directly. There will be some game to overcome the frustration of the user. So that in a short time anyone can motivate themselves.

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